

Electrochemical and Photoselectrochemical Behaviour
of the Silicon Electrode in Acid and Alkaline
Solutions, by S. O. Ixidinov, T. I. Borisova,
5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXVI, No 6, 1962,
pp 1246-1254.

CS

Sci

Mar 63

232 P33

The Kinetics of Cathodic Processes on Semiconducting Electrodes, Involving Participation of the Electrons of the Valence Zone, by R. M. Lazorenko-Manovich,
S. O. Iridinov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 1, 1961,
pp 172-175.

CB

Sci

196,506

May 62

Electrochemical and Photoelectrochemical Behavior of the Silicon Electrode by S. U.
Isidinov, T. I. Borisova, V. J. Vesalovskiy,
et al.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXXXIII,
No 2, 1960, pp 392-395.

CB

Sci.

149,205

Apr 61

RETURNS TO USE ISLAM AS AN IDEOLOGICAL
WEAPON OF ANTI-COMMUNISM, BY T. ZHABOTOV,

8 pp.

REPRINT, MR. YOUSSEF SULTAN PUBLICATION
1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989

NUMBER
Vol
June 68

347,110

Experiment of Conducting Hydraulic Rupture of the
Strata on the Malgobenskiy Oil Field, by A. M.
Izinkova.

Neftegaz Vol 33 # 11
RUSSIAN, by Production of Petroleum and Gas, pp 39-
43.

Tech & Comm Tr
Hans George Voelker
2135 Spruce St.
Philadelphia 3, Pa.

USBR
Sci - Engineering, fuels 32,200
Scor

March 1956 CTS \$50.00

On the Theory of Antiferromagnetism, by A. A.
Berdyshev, I. I. Ilinov, 7 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol III, No 3,
1956, pp 406-410.

SLA R-1137

Sci
May 58

63,282

The experimental investigation of double-beam
electron-wave systems, by G. A. Bernashevskiy,
P. S. Voronov, T. I. Iziumova, 8 pp.

RUSSIAN, p.mr., Radiotekhnika i Elektronika, Vol IV, No 9,
1959, pp 1666-1669.

PP

Sci

144,063

Feb 61

Introduction of Means of Automation in Construction,
by A. A. Izmilov, 8 pp
HOSHLAU, per, Avallom' Stroitel'noy Tekhniki, No 12,
Dec 66, pp 33-32.
JPSS 25730

URSS
Econ
Apr 65

279,073

Cathode Polarization on the Deposition of
a Tin-Manganese Alloy From Halide Solutions. /07
by A. V. Izmailov, N. P. Chernysheva.
KINETIKA, por. izv. Vses. Khim. i. Khim. Tekhn.,
Vol. 7, No. 2, 1964, pp. 265-273.
S138 4652

A. V. IZMAILOV

USCII:
SCH/DRW
SCH/DRW

207,177

Influence of Solvents on Strength of Acids, by
N. A. Imailev. UNCL

RUSSIAN, par, Zhur Fiz Khim, Vol XXIV, No 3,
1950, pp 321-336.

(S)
DSIR LRU RPS 1174

12. Oct. 60.

95, 829

Sci - Chem
Sep 59

Thermodynamic Properties of Electrolytes in
Non-Aqueous Solutions, XI. Dissociation
Constants of Bases in Methyl Alcohol. Com-
parison of the Strength of Bases in Various
Solvents, by N. A. Ismailov, T. V. Mozharova,
4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIV,
No 8, 1950, pp 1709-1716.

Sci
Aug 61

Cleaver-Hume Press
164, 539

Study of the Glass Electrode by the Method of
Radioactive Indicators. II. Behavior of the Glass
Electrode in the Alkaline Region, by N. A. Izmailov,
A. G. Vassiliev, 28 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956, pp 1500-
1512.

AEC CEA Tr R227

Reverse Trans Russian to French
Feb 59

Thermodynamics of the Exchange of Organic Ions, by
N. A. Iamnilev, S. Kh. Mushinskaya, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXVI, No 6, 1962,
pp 1210-1218.

CS

Sci

Mar 63

232 831

On the Behavior of the Glass Electrode in the Acid Region, by M. A. ~~Zamalov~~ and A. M. Aleksandrova,
4 pp.

RUSSIAN, Dok Ak Nauk SSSR, Vol 71, No 2, pp 311-313,
1950.

Sci Museum Lib No 51/0467 - London

Sci - Chemistry
AE C TR 606
Oct 1951 CTS

A-111

Catalytic Hydrocondensation of Carbon Monoxide with Olefins. Communication 14. Interconversion of 1- and 2-Butenes Under the Conditions of Catalytic Hydrocondensation of Carbon Monoxide with Olefins, by Ya. T. Kudus and R. I. Ismailov, 8 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1956, pp 467-474. CIA 9007074 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Dec 56 OTS/dex

44, 614

Catalytic Hydrocondensation of Carbon Monoxide With
Olefins. Communication 16. Hydrocondensation of
Carbon Monoxide With 1-Butene, by Ya. T. Eidus,
R. I. Imailev, 6 pp.

RUSSIAN, no par, Iz Ak Nauk, Otdel Khim Nauk, No 6,
1956, pp 723-729.

Consultants Bureau

Sci - Chemistry
Feb 57 CTS

44, 128

The Problem of the Solvation of Ions, by
N. A. Izmailov, Yu. A. Kruglyak, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIV,
No 6, 1960, pp 1390-1396.

93

CB

Sci.

May 61

153, 024

Determination of the Individual Hydrocarbon Compositions of Gasolines of Tatar Petroleum. Communication 3. Gasolines from Petroleum from Different Levels, by A. A. Urmacheyev, R. I. Izmailov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1960, pp 495-497.

CB

Sci

May 62

199,367

Catalytic Hydrocondensation of Carbon Monoxide
With Olefins. Communication 17. Participation of
2-Butene in the Hydrocondensation Reaction With
Carbon Monoxide, by Ya. T. Eidus, R. I. Ismailov,
4 pp.

RUSSIAN, no per. Iz Ak Nauk, Otdel Khim Nauk,
No 7, 1956, pp 869-872.

Consultants Bureau

Sci - Chem
May 57

47, 228

Chemical Energy of Solvation of Ions, by I. A.
Izmailov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVI, No 5,
1959, pp 1033-1036.

CB

Sci
Aug 60

124,226

Determination of the Individual Hydrocarbon Content
of Tatar Petroleum. Communication 4. Lignin from
Petroleum of the Romashkin Deposits. B. Le, R. I.
Izmailov, F. A. Urmanchev, I. P. Lipatova; 5 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1961, pp 109-113.

CB

198, 128

Sci
Apr 62

Catalytic Hydrocondensation of Carbon Monoxide with
Olefins. Communication 15, Hydrocondensation of
Carbon Monoxide with 2-Butene, by Ya. T. Sidus,
R. I. M. Ismailov, 8 pp.

RUSSIAN, no pag. In Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1956, pp 475-481. CIA 9007074 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Dec 56 CTS/dex

41,617

Theory of Secondary Electron Emission from Metals Due
to Fast Ions or Neutral Atoms, by S. V. Izmailov, 4 pp.

RUSSIAN, per, Fiz Tverdogo Tela, No. 9, 1961, pp.
2804-2808

AIP
Sov Phys-Solid State
Vol III, No. 9

Sci

192, 476

Mar 62

On Allowed Transformations of the Equations for Particles with Higher Spins, by E. E. Fradkin, S. V. Izmailov, 5 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CXIV,
No 2, 1957, pp 277-

Amer Inst of Phys
Sov Phys, "Doklady"
Vol II, No 3

Sci - Phys

59, 567

Mar 58

IZMAILOV, S. V.

Thermal Theory of Electron Emission Under the Impact of Fast Ions.

Zhur. Fiz. i Teoret. Fiz., Vol 9, pp 1745 - 1753,
1939, USSR

Bell Tel Lab
Library Bull

Tr MW L137

Dec 51 CTS
AEC TR 1090
A-4505

1/14/67

On the Theory of Secondary Electron Emission, by
S. V. Izmilov, pp. 9-pp.

RUSSIAN, per, Pis Tverdogo Tela, Vol IV, No 9,
1962, pp 2554-2566.

Amer Inst of Phys
Sov Phys - Solid State
Vol IV, ID 9

Sci

Jun 63

342,274

(DC-6601)

Space, Space Flight, and Economics, by A. Imaylov,
G. I. Pokrovskiy, 10 pp.

RUSSIAN, part, Osnovnyaya Aviatsiya, Vol XVIII,
No 8, Aug 1961, pp 21, 22.

JPRS 12545

Sci
Space Research
Mar 62

183, 974

Chlorophyll Content, Ascorbic Acid, and Catalase Activity in Leaves of Some Weeping Forms of Woody Plants in Relation to Polarity, by G. Kh. Molotovsky, A. F. Izmilov, 2 pp.

RUSSIAN, thrice-monthly, Dok Ak Nauk SSSR, Vol CXIII, No 5, 1957, pp 1165 -

Amer Inst of Biol Sci

Sci - Biology
Mar 58

60, 382

Mechanism of Anomalous Electrical Conductivity
of Ions, by A. V. Izmailov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXIX, 1955,
pp 1725-1727.

INSDOC-TIGU

Scd.

Aug 58

12 2 27

Thermodynamic Properties of Electrolytes in Non-Aqueous Solutions, by N. Ismailov, Y. Ivanova,

RUSSIAN, par, Zhur Fiz Khim, Vol XXIX, 1955,
pp 1614-1623.

UKBM T.1621

Sci - Physics

52, 306

Sep 57

Decisively Determining the Course of Planning
and Financing the Drilling of Wells, by M. Sh.
Ismailov,

RUSSIAN, no per, Naft Khoz, Vol XXXIII, No 6,
1955, pp 13-14.

Technical and Commercial Tr

Petroleum
Scientific - Engineering; Jan 56 ODS/DEX
USSR
Economic - Petroleum 30,758

Thermodynamic Properties of Electrolytes in
Non-aqueous Solutions. VIII. Solubility and the
Energy of Ion Transfer in Non-aqueous Solvents;
by N. A. Izmailov, V. S. Chernyi, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 2,
1960, pp 319-326.

Cleaver-Hume Press

Sci
Dec 60

134,767

The Principles of the Use of Nonaqueous Solvents for
Acid-Base Titrations, by N. A. Izzailov, 14 pp.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 1, 1960,
pp 29-40.

ISA

Sci

Feb 61

141,909

Effect of Anhydrous Formic Acid on the Strength of
Paper, A. N. Shkodin, N. A. Izmaklov, N. P. Dzyuba.

The Journal of General Chemistry of the USSR, Vol XI,
No 11, Nov 1950, pp 2071 - 2074 (Russ p 1999).

Consultants Bureau
New York

A-2028

USER

Izmailev, P. I., Kislav, V. V., and others.
TOPOGRAPHY AND AERIAL PHOTOGRAPHY. 7p.
MTWL-1083.

Order from OTS or ETC \$1.55 62-26034

Transl. of table of contents of mono. Topografiya i
Aerofotogeografiya. Moskva, 1959.

DISCRIPTORS: *Aerial photography. *Topographic
cameras. Indexes

62-26034

- I. Izmailev, P. I.
- II. Kislav, V. V.
- III. MTWL-1083
- IV. Stichting Mocilijk
Toegankelijke Wetenschap-
lijke Literatuur

62-26034

Office of Technical Services

thermodynamics of Electrolytes in Non-Aqueous
Solutions, X. Dissociation Constants K of
Basis in Acetone and in a 90 Percent Mixture of
Acetone and Water, by N. A. Izmailov, T. V.
Mozharova, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 7,
1960, pp 1543-1552.

Cleaver-Hume Press

155, 354

Sci
Jun 61

A Unified Acidity Scale, by N. A. Izmailov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXXVII, No 1,
pp 104-107.

Consultants Bur

Sci
Aug 60

126,377

The Ion Exchange at the Glass Electrode, by N. A.
Immailov, Vasilev.

RUSSIAN, ¹⁹⁵⁵, Zhur Fiz Khim, Vol XXIV, No 12, 1955,
pp 2145-2151.

Tech and Comm Tr
35,643 \$45.00

Scientific - Chemistry

SIMONOV, A. N., and TERRILLOV, N. A., Inst of Chem,
Kievsk State U.

The Differentiating Effects of Solvents on the
Strength of Acids. V. Separate Potentiometric Titra-
tion of Mixtures of Acids in Anhydrous Acetic Acid

Zhur Obshch Khim, Vol XX, No 1, 1950 (Jan), pp 39-
45

Consultants Bureau Translation

704 Wilson Avenue, Princeton, N.J.
Sib 2905 A-4504

Properties of Acids and Bases in Acid Solvents.
V. Potentiometric Study of the Effect of
Anhydrous Formic Acid on the Strength of Acids,
by A. M. Shkodin, N. A. Ismailov, N. P. Dzyuba,
4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXXIII,
No 1, 1953, pp 27-31.

Consultants Bureau

Scientific - Chemistry

CIS/DEK 18,007

Regularities in the Dissolution of Salts of Strong
Electrolytes in Non-Aqueous Solutions, by E. A.
Izmailov, et al., 8 pp UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 1,
1950, pp 91-94.

Sci Tr Center
IT-1031

Scientific - Chemistry

15,367

Some Peculiarities of Molecular Adsorption From a
Flow of Solution, by N. A. Izzmailov, Yu. V.
Shestopalov, 8 pp.

Full translation.

RUSSIAN, no per, Zhur Prom Khim, Vol XXV, No 6,
1952, pp 602-609.

Consultants Bureau

Scientific - Chemistry

Dec 53 CTS/DEX

7982

Research in Ion Exchange Chromatography
Principles of Adsorption Technology, by N. A. Izmailov,
etc., 11 pp.

RUSSIAN, bk, Issledovaniya v Oblasti Ionooobmennoi
Kromatografii, Moscow, 1957, pp. 55-66.

Consultants Bureau

Sci - Med

Jun 58

45, 569

Thermodynamic Properties of Electrolytes in Non-Aqueous Solutions. VII. Investigation of the Solubility of Silver Chloride and Caesium Chloride in Alcohols, Ketones, and Mixed Solvents By Means of Radioactive Tracers, by N. A. Izmailov, V. S. Chernyi, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 1, 1960, pp 127-134.

Cleaver-Hume Press

Sci
Sep 60

127,615

Izmatlov, N. A.

THE THEORY OF ACID DISSOCIATION IN SOLUTION
tr. by Charles T. Ostertag, May 63 [29] p. 44 refs.
ABL Trans. no. 735; AD-407 465.
Order from DTIC or SLA \$2.60

Transl. in [Zhurnal Fizicheskoi Khimii] (USSR) 1954,
v. 28, no. 11, pp. 2057-2066.

63-23087

I. Izmatlov, N. A.
II. ABL Trans-735
III. Army Biological Labs.,
Frederick, Md.
IV. AD-407 465

63-23087

DESCRIPTORS: *Dissociation, *Ionization, *Acid-base
equilibrium, *Chemical equilibrium, *Acids, Chemical
properties, Physical properties, Solutions, Mathematical
analysis, Quantitative analysis, Solvents, Equations

On the basis of a new theory of acid dissociation, an
equation was worked out which characterizes the de-
pendence of acid strength on the physical and chemical
properties of the solvent. The derived equation makes
it possible, on the basis of independent data, to evaluate
(Chemical) --Physical. TT, v. 40, no. 11 (over)

Other -- Technical Data

Potentiometric Methods of Investigating High Molecular Weight Petroleum Compounds. Part 2. A Potentiometric Method of Determining Saponification Numbers in Solutions of Petroleum Resins, by S. R. Sergienko, P. N. Galich, N. A. Imailev, L. L. Spivak, 4 pp.

RUSSIAN, bimo per, Zhur AMK Anal Khim, Vol XI, No 6, Nov/Dec 1956, pp 731-734.

Consultants Bureau

Sci - Chemistry
Sep 57

53,077

Sci/Cheat

C

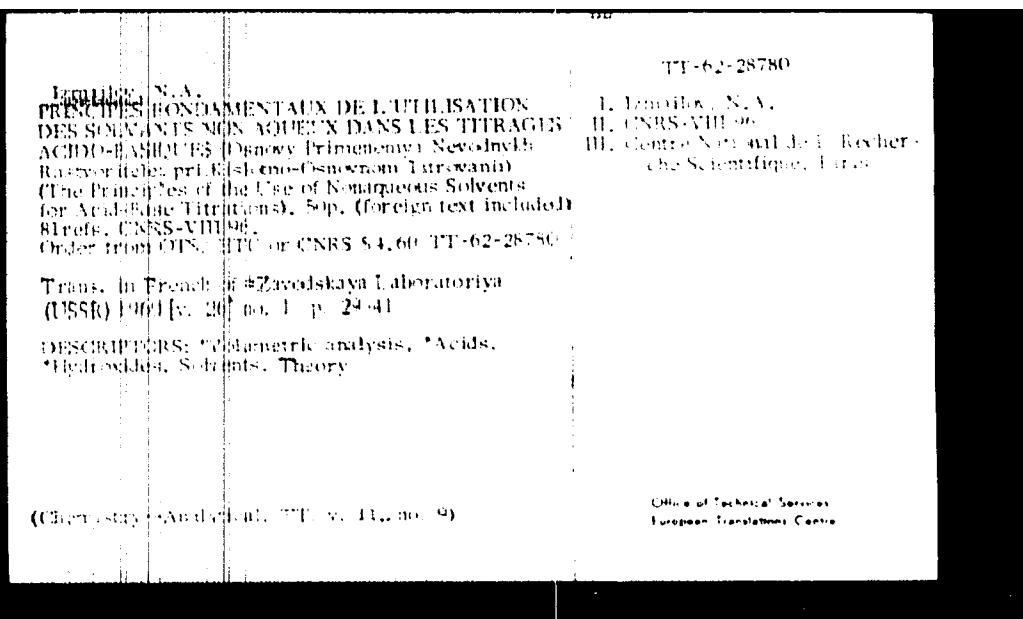
Behavior of a Glass Electrode in Non-Aqueous Media. IV.
Errors of the Glass Electrode in Acid and Alkaline Regions
in Ethanol and in Mixtures of Ethanol and Water, by N. A.
Izmailov, A. M. Aleksandrov, 12 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIX, No 8, Aug
1949.

CIA/PDD/X-371

12, 9/7

Oct cts



The Adsorption Method of Separating Caffeine, by
N. A. Izmailov, Yu. V. Shostenko, and V. D. Bezugli,
11 pp.

Full translation.

RUSSIAN, as per, Zhur Pril Khim, Vol XXV, No 5,
May 1952, pp 543-552.

Consultants Bureau

Scientific - Chemistry

Dec 53 CTS

7499

Potentiometric Methods of Investigating High Molecular Weight Compounds of Petroleum, by S. R. Sergienko, N. A. Ismailov, L. L. Spivak, P. M. Golikov; 8 pp.

Full translation.

RUSSIAN, biling. per., Zhur Anal Khim, Vol X, No 5, 1955, pp 315-322. CIA C 41024

Consultants Bureau

32,068

Scientific - Chemistry
Mar 56 CTB/dex

The Behavior of the Glass Electrode in Nonaqueous Media.
V. Behavior of the Glass Electrode in Glacial Acetic Acid, H. A. Inzalcova A. M. Aleksandrova.

The Journal of General Chemistry of the USSR, Vol IX,
No 12, Dec 1950, pp 2207 - 2212 (Russ p 2127).

A-112

Consultants Bureau
New York

AMT 223

Nov 1951 CTS

USSR

Electrochemistry of Solutions,
by N. A. Itzakov.
RUSSIAN, bk., 1959.
NLL R. 17072

74

L.A. [Signature]
Sci-Chem
June 66

301,441

Absorption Spectra of 3-Oxo-2,3-Dihydrothionaphthalene
and its Derivatives. IV. Effect of Solvents on the
Magnitude of the Solvatochromic Shift of the
Absorption Maximum, by M.A. Mostoslavskiy,
V.A. Izmail'skiy, 9 pp.

RUSSIAN, part Zhur Obshch Khim, Vol XXXII, no 5,
1962, pp 1746-1754.

CB

Sci

May 63

232,574

Absorption Spectra of Diphenylmethane and
Diphenylethane Derivatives Containing Nitro
and Amino Groups on Different Rings, by
V. A. Inmail'skiy, V. A. Glushenkov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 888R,
Vol CXXXIX, No 2, 1961, pp 373-376.

CD

Sci

200,777

Jun 62

Contrapolarized Systems and Color.
IV. Reflection Spectra of Derivatives
of N-[β (2,4-Dinitrophenyl)-
ethyl]-Aniline, by V. A. Ismail'skiy,
V. E. Limanov, 11 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI,
No 6, 1961, pp 1783-1798.

CB

Sci

Jun 62

201,557

Spectral Measurements in Mixed Solvents Based
on Alkanes as a Method of Studying the Inter-
action of Substances With Solvents, by
V. A. Ixmail'skiy, N. A. Mostoslavskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIX,
No 3, 1961, pp 601-604.

CB

200, 783

Sci

Jun 62

The Analysis of the Influence of Structure
on Spectra. I. A Comparative Study
of Color in Aromaphines of Type
 $O_2N(C_6H_4CH_2)_nNO_2$ and $NO_2(C_6H_4CH_2)_nNO_2$.
Reflection and Absorption Spectra, by
V. A. Izmailskiy, E. A. Smirnov, 8 pp.

RUSSIAN, no pag., Zhur Obshch Khim SSSR, Vol XIVI,
No 11, 1956, pp 3042-3059.

Consultants Bureau

Set - Chem
Jul 56

69,572

The Absorption Spectra of 3-Methoxy-2,3-Dihydrothione-phthalanes and Their Derivatives. V. The Effect of Ortho-Substituents on the Absorption Spectra and on Stability to Action of Light of Substituents on 2-Hexylidene-3-Methoxy-2,3-Dihydrothione-phthalane, by N. A. Novozhilovskiy, V. A. Kuznetsov, 5 pp.

MOSCOW, 1963, Izdatelstvo Akademii Nauk SSSR, Vol XXXIII, No 3, 1963, pp 729-743.

CB

Sci.
Age G.

Absorption Spectra of 3-Oxo-2,3-dihydrothionaphthene
and its Derivatives, III, by M. A. Mostoslavskiy,
V. A. Izmail'skiy, 4 pp.

RUSSIAN, per Zhur Obshch Khim,
Vol. XXXI, No. 1, 1961, pp. 15-26
17-27
CB

Sci

1962, 286

Mar 62

Contra Polarized Systems and Spectra. V. The
Color of Some Derivatives of 4'-Nitro-4-
Aminobenzanilide Containing Additional Methyl
and Methoxy Groups in the Anilide Ring, by V. A.
Kozel'skii, N. V. Malygina, 8 pp.

RUSSIAN, per, Khim. Obozr. Khim., Vol XXIX, No 12,
1959, pp. 3935-3943.

CB

Sci

133, 217

Nov 60

Absorption Spectra of Molecular Complexes of Aromatic Amines With Quinoline Layers. Investigation of the Absorption Spectrum of the Molecular Complex 4-(n-Dimethylaminostyryl) Quinoline + 1-Ethyl-2-Styrylquinoline Iodide, by V. A. Izmail'skiy, P. A. Solodikov, 7 pp.

RUSHTAN, ppr, Dok Ak Nauk SSSR, Vol **XCI**, No 5, 1953.

CIA/FDD XX-1115
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

125, 95/

Mar 62

USGOV INTERNAL USE ONLY

Preparation of 2- and 4-Styryl Derivatives of Quinaline
Quinoline Using Benzylidenaniline, by V. A. Tsvet'-
skiy, P. A. Solodikov, 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXIX, No 12,
1959, pp 3930-3934.

OB

Sci

Nov 60

133, 215

Exomolecular Interaction and Color. VIII. Absorption Spectra of Molecular Complexes of 9-(p-Dimethylaminostyryl)acridine With 10-Alkyl-9-methylacridinium Salts, by V. A. Izmail'skiy, S. V. Dmitrienko. 7 pp

RUSSIAN, par, Zhur Obshch Khim, Vol XXIX, No 6, 1959,
pp 1642-1649

Consultants Bureau

Sci - Chemistry

122, 016

Extramolecular Reactions and Color. VI. Study
of the Absorption Spectra of Molecular Complexes
of 1,3-Dinitrobenzene and 2,4-Dinitrostilbene With
Dimethylaminostilbene, by V. A. Ismailsky, A. N.
Guseva, E. S. Solovyeva, 12 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVI, No 6,
Jun 1956, pp 1766-1778.

Consultants Bureau

Sci - Chemistry
Jul 57

49,647

Separated Chromophore Systems. XXIX. Comparative Spectroscopic Studies of 4-Nitrobenzylidene and 4-Nitrobenzyl Derivatives of Aromatic Amines, by V. A. Ismailsky, E. A. Smirnov, 12 pp.

Full translation

RUBSHAN, no per, Zhur Obshch Khim, Vol XIV, No 7, 1955, pp 1400-1412. CIA C 42051

Consultants Bureau

34, 262

Scientific - Chemistry
May 56 CTB/dex

Contrapolarized Systems and Color. V. The Absorption Spectra of m- and p-Dinitrobenzenes and Their Molecular Complexes With Dimethylaniline (The Analysis of Structural Effects on Spectra. II [1]), by V. A. Izmail'skiy, A. V. Belotsvetov, 9 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,
pp 393-401..

CB

Sci

153, 583

Apx 61

Extramolecular Interactions and Chromaticity. V.
Investigation of the Absorption Spectra of
Molecular Complexes of Nitro Compounds with
Aromatic Amines, by V. A. Ivanilsky, A.B. N.
Guseva, 12 pp..

Full translation.

33.3 /

RUSSIAN, no par, Zhur Obshch Khim, Vol XXIV, No 8,
1954, pp 1402-1414. CIA C 41477

Consultants Bureau

Scientific - Chemistry
Apr 56 CT8/dex

B Production of Tritium in Collisions of Fast Protons
with Heavy Nuclei, by S. V. Izmailov and J. I. [illegible]
6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XIV,
No 1, 1961, pp 118-126.

AIP
Sov Phys - JETP
Vol XIV, No 1

Sci.

188,136

Mar 62

A Study of Structure Formation in Water Suspensions
of Gypsum, By V. N. Izmailova, E. E. Segealova,
P. A. Rebiner, 10 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CVII, No 3, pp
425-427, 1956.

SLA R-1620

Sci - Chem
Aug 58

70.597

Investigation of the Kinetics of Supersaturation
With Reference to the Formation of Crystallization
Structures in the Hardening Process of Gypsum, by
N. I. Gogolova, V. I. Ismailova, P. A. Rebindor,
4 pp.

RUSIAN, per, Dok Ak Nauk SSSR, Vol CKIV, No 3,
1957, pp 594-5

Consultants Bureau

Sci - Chemistry
Jul 58

67632

Contrapolarized Systems and Color Characteristics.
III. The Effect of Replacement of the CH_2NH Group
by the $\text{CH}_2\text{CH}_2\text{NH}$ Group and of Methylation of NH
in Compounds of the Structure $p'\text{-O}_2\text{NC}_6\text{H}_4(\text{CH}_2)_n$
 $\text{NHC}_6\text{H}_4\text{A-p}$, by V. A. Izmail'skiy, V. E. Limanov,
8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2927-2935.

CB

129,285

Sci

Absorption Spectra of Derivatives of 4-MO₂-Diphenylamine on the Role of NH as an Isolator, of Optical Conjugation in Diphenylamine Derivatives, by V. Z. Izmail'skiy, K. A. Muridzhanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1053-1056.

CB

Sci
Oct 60

129, 970

Electrochemical Properties of Hydrogen in Alloys
With an Iron Base, by Yu. A. Klyachko, T. A.
Izumirov, L. L. Xunis. UNCLASSIFIED

RSSSR, pub., Khimicheskaya Mauka, Vol III, No 1,
1958, p 127.

Navy 1966/ERL 704

801 - Min/mst, Chem
Jan 39

79,870

~~Z~~ Influence of Alloying Elements on Hydrogen Content
and Hydrogen Mobility in Steel, by Yu. A. Klyuchko,
T. S. Izmantova.

RUSSIAN, per, 'Stal', Vol XVII, No 6, 1957, pp
507-511.

Brutcher Tr 4047
\$4.90

Sci - Min/Mkt

Apr 58

61,434

Effect of Aluminosilicate System on the Oxidation and
Welding System, by T.A. Imanova,
Ye. N. Chistovskova. 5 (p).
RUSSELL, Boris, Tsentral'nyy Nauchno-
Issledovatel'skiy Institut Chernoy Metallurgii.
Komik Trudov, No 49, 1966, pp 94-97.
MIN/PTD/B-23-302-68

J. A. J. manev
July 6/9
sci/chemistry

38: 147

Calculation of Free Energies of Solvation and Hydration
of Ions From the Electromotive Forces of Cells With and
Without Transport, by N. A. IZMAYLOV, 7 pp.

RUSSIAN, per, Zhur Fiz Khimi, Vol XXXIV, No 11, 1960,
pp 2414-2428.

Cleaver Hume-Press

Sci

165, 5010

Aug 61

Real Solvation Energies and the Activity Coefficients
of Separate Ions in Monoaqueous and Mixed HC₆
Solutions, by N. A. Izmaylov, Yu. F. Rybkin, 9 pp.

S
M UKRAINIANS, per, Dopovidi Ak Nauk Ukrayins'koyi,
1962, pp 1071-1075. 9217200

ABC-Tr-6110

Sci. - Russl. Sci.
Jan 64

248,791

On the Relativistic Quantum Theory of Particles With
Internal Rotational Degrees of Freedom, by S. V.

IGNATIAN, per, Zhur Eksper i Teoret Fiz, Vol XVII,
No 7, No 629-647, 1947.

AEC-TR-1531

1301

On the Thermal Theory of Cathode Sputtering, by
S. V. Iessell, 6 pp.

HORSTKOW, 1939, Proc Koninkl Nederland Nat Fys, Vol 9 (12),
1939, pp 1469-1478

~~Sc. Museum Lib No~~ 51/2646 - London

A 4506

JPRS: R-107-N/13

() .

Aerial Photographic Survey Work in the Year 1928,
by D. Izmaylov, 3 pp.

RUSSIAN, per, Geodezist, No 3, 1929, pp 52-55.

FDD/X 4210

USER

Phys

29 Apr 60

The Leaves of the Citrus as a Source of Vitamin C,
by N. A. Tumasylov, Sh. A. Karapet'yan, 5 pp.

RUSSIAN, per, Pishchevaya Prom, No 1, 1945,
pp 24-26.

SLA 60-10885

Sci.

OTB, Vol. III, No 7

133,071

Nov 60

Changes in the Megakaryocytic Apparatus in Patients
With Leukemia, by E. P. Ismailova, 7 pp.

RUSSIAN, per, Problemy Gematologii i Perelivaniya
Krovi, Vol V, No 3, 1960, pp 33-38.

PP

Sci

Oct 60

130,121

(NY-4853)
Experience in Automation of an Intradistrict
Telephone Network, by P. A. Izmaylov, G. S. Pilyut
10 pp.

RUSSIAN, per, Vestnik Svyazi, No 10, 1959.

JPRS 7005

Sci

Jan 61

135, 930

Absolute Age of the Upper Cretaceous and Tertiary Extrusive and Intrusive Rocks of Northern Sikhote-alin' and the Nyao-Chan Mountains, by N. I. Polovaya, E. P. Isokh, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog, No 7, 1960.

AGI

Sci

Mar 62

186, 046

THE PROPORTIONAL SENSITIVITY OF THE ABSORPTION
SPECTRA OF NEMOCYANINS TO THE ACTION OF
TANNINS BY V. A. MOSTOBILAVSKIY, V. A.

RUSSIAN, PERIODICAL OF NATURE, VOL. CIII, NO. 3,
1962, PP. 600-603.

CB

SCE - CHEM

OCT 62

212,133

IN

EXO-INTERACTION BANDS IN THE SPECTRA OF SALTS OF
DIPHENYLALUMINUM WITH NO₂ AND OH GROUPS IN
DIFFERENT RINGS, BY V. A. GLUSHENKOV,
V. A. IZMAYLOV, 4 PP.

RUSIAN, PERIODICALS, VOL CXLII, NO 4,
1952, PP 630-633.

CB

SCI - CHEM

OCT 6 2

212,137

THE MICROSTRUCTURE AND SPECTRA OF BENZYLIDENEANILINE AND AZOBENZENE DERIVATIVES AND THEIR SALTS, BY V. A. IZMAIL'SKIY, E. E. MILLIARESI,
5 PP.

RUSSIAN, PER, DOK AK NAUKSSR, VOL CXLI, NO 4,
1961, PP 857-860.

CB

SCI 62

205,324

A
U
G

Absorption Spectra of Molecular Complexes of
Benzacridine and Dibenzacridine Derivatives,
by V. A. Izmail'skiy, N. A. Kitrosskiy, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 3,
1959, pp 572-575.

CB

Sci
Oct 60

129,952

Izmaylov, N. A. and Kruglyak, Yu. A.
THE PROBLEM OF THE SOLVATION OF IONS.
[1960] 5p.

Order from ATS \$7.00

ATS-38M47R

Transl. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 134, no. 6, p. 1390-1393.

61-12690

- I. Ions--Solubility
- I. Izmaylov, N. A.
- II. Kruglyak, Yu. A.
- III. ATS-38M47R
- IV. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

(Chemistr, --Physical. TT. v. 5, no. 7)

R-50/60

(3192-N).

New Pendulum Instrument for the Determination of
the Force of Gravity at Sea, by S. Ye. Aleksandrov,
V. V. Sukhodol'skiy, Yu. P. Ismaylov, 35 pp.

RUSSIAN, par, Trudy Instituta Fizika Zemli, No 8(175),
1959, pp 3-24.

JPRS L-1137-N

Sci - Geophys - Gravimetry
Apr 60

111, 894

The Possibility of Surface Activation and
Passivation of Nuclei in Water Vapor Con-
densation, by G. I. Izmaylova, P. S. Prok-
horov, B. V. Deryagin, 5 pp.

RUBSHAN, par, Kolloid Zshir, Vol. XIX, No 5, 1957,
pp 556-561.

(Consultants Bureau

Sci. - Chem.

Jan 59

80,066

Method of Cleaning the Surface of Glass and
Metal by a Gas Discharge, by V. V. KERNOV,
L. I. Tammiova, 7 pp.

Sovr Tekh Fiz.
UDC 535.353.12.01/01, No per., Vol XXIV, No 5, 1954,
pp 871-874.

Sci Tr Center
RT-4083

39, 854

Ref - Physics
Oct 1956 CTS/dex

107
Studying the Conditions of Manufacturing
Glass Fibers Without Surface Defects, by
L. E. Lomaytova, G. N. Bartenev, 11 pp.
1965, por, Steklo i Keramika, No 3,
1964, pp. 12-16. 9097843
T-64-1172

DEC 19 1964
1964

207, 854